

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/026500

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G02B26/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EP0-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 988 157 A (JACKEL JANET L ET AL) 29 January 1991 (1991-01-29) abstract; figures 11,12 column 2, line 53 – line 55 column 6, line 5 – line 17 column 7, line 3 – line 13 column 8, line 25 – line 63	1,2,5-7, 16,17
A	US 4 583 824 A (LEA MICHAEL C) 22 April 1986 (1986-04-22) the whole document	1-21
A	US 5 978 527 A (DONALD DAVID K) 2 November 1999 (1999-11-02) the whole document	1-21
A	EP 1 306 704 A (AGILENT TECHNOLOGIES INC) 2 May 2003 (2003-05-02) the whole document	1-21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
17 November 2004	25/11/2004
Name and mailing address of the ISA European Patent Office, P.O. Box 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Daffner, M

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Information on patent family members

International Application No  
PCT/US2004/026500

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4988157	A	29-01-1991	NONE		
US 4583824	A	22-04-1986	NONE		
US 5978527	A	02-11-1999	US 5828799 A		27-10-1998
			US 6212308 B1		03-04-2001
EP 1306704	A	02-05-2003	US 2003077023 A1		24-04-2003
			EP 1306704 A1		02-05-2003
			JP 2003215479 A		30-07-2003